

GreenPower News

A weekly update from Western's Renewable Resources Program covering green power, reports and studies and funding.

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Green Power

Tribal Webinar Series continues April 24 with 'How PMAs Market Power and Work with Tribes'

The country's Federal power marketing administrations have valuable generation and transmission assets and the potential to promote renewable energy development within their respective footprints. On April 24, you can learn about PMA assets and operations, examples of past cooperation with tribes, and how to work with PMAs to promote future economic growth and renewable energy development on tribal lands.

Participation is free, but you must [register](#) for *How Power Marketing Administrations Market Power and Work with Tribes*. All webinars in the series are scheduled for 11 a.m. to 12:30 p.m. Mountain Time.

Western and DOE's [Office of Indian Energy Policy and Programs](#) and [Tribal Energy Program](#) have teamed up to present this [free series](#). Don't miss these events if you are looking for ways to promote tribal energy sufficiency and foster economic development and employment on tribal lands through renewable energy and energy efficiency technologies. You will learn about marketing, transmission, financing, partnerships and much more. *Source: Western Area Power Administration, 4/15/13*

Register for the 7th annual Wind and Solar Interconnection Workshop

Are you ready to face the challenges, issues and opportunities of integrating variable generation into your power mix? This [two-day workshop](#) brings together industry experts from utilities, government and national laboratories to answer your questions about interconnecting wind and solar plants and other distributed generation applications to electric distribution systems. Speakers will go beyond the distributed system for in-depth explorations of transmission, energy imbalance markets, power operations training and renewable integration studies. NREL will host the first day at its state-of-the-art [Energy Systems Integration Facility](#) (ESIF), and the second day will take place at Western's [Electric Power Training Center](#) (EPTC). Both facilities are in Golden, Colo.

The workshop includes a "hands on" introduction to Internet-based tools designed by the [Utility Variable Integration Group](#) to assess a distributed wind project's impact on the local distribution system. Training will cover the theory behind each tool and demonstrate their use with actual data. Participants will tour NREL's ESIF, where researchers and support staff engineer, design, test and analyze components and systems to advance the integration of renewable electricity into the U.S. electricity infrastructure.

Western's EPTC instructors will give a tour of the EPTC center, where participants will have the opportunity to observe a demonstration of the EPTC's hands-on miniature power system. The model includes a wind farm simulator developed in partnership with the NREL and DOE's Wind and Water Power Program.

[Register today](#) to ensure your place in the class. Continuing education credit will be available for this workshop. *Source: Western Area Power Administration, 4/15/13*

Deadline extended for participation in Western annual REC solicitation

Federal agencies that want to participate in Western's [2013 renewable energy certificate \(REC\) solicitation](#) now have until May 10 to submit their [Statements of Intent](#). RECs are an easy way for Federal agencies to gain the benefits of clean energy—meeting renewable energy goals and mandates, improving the environment and supporting national energy security. To learn more about this program, visit [Renewable Resources for Federal Agencies](#). *Source: Western Area Power Administration, 4/15/13*

Vote now for Go Go Geo Challenger

Touchstone Energy Cooperatives, along with co-sponsors ClimateMaster, Bosch and WaterFurnace, are sponsoring the [Go Go Geo Scholarship Video Challenge](#). This is a unique opportunity for junior and senior high school students to educate the general public on the benefits and cost effectiveness of geothermal technology, while using their creativity to compete for close to \$60,000 in scholarship dollars and grants.

Only five state finalists remain and you can help to determine the winners by voting online for your favorite videos. The state finalists have already won their regional competition and a \$3,000 scholarship. Now, they are competing for an additional \$12,000 in scholarship funds to be awarded to the top three videos—yes, this is kind of a big deal to these kids.

The second round of online voting is now underway. Online voting accounts for 20 percent of the total score, so every vote counts and could be the difference between winning it all and not making the show. Please take a minute to view the videos and vote for your favorites.

These five outstanding students and their parents will be recognized during an awards banquet on April 22 in Oklahoma City. Winners will be announced at that time, following interviews and scoring with the judges.

NOTE: The voting system only allows one vote per IP address per 24-hour interval. Keep in mind that the system sees firewalls and Wi-Fi networks as one IP address, thus limiting the number of votes allowed daily through such systems. *Source: Go Go Geo Scholarship Video Challenge, 4/11/13*

Nomination Period Extended for 2013 Green Power Leadership Awards

The Green Power Partnership is extending the deadline for EPA's Green Power Leadership Awards to Monday, **April 22, 2013**. The annual Green Power Leadership Awards are competitive awards that recognize outstanding commitments and achievements in the green power marketplace. EPA's Purchaser Awards recognize leading Green Power Partners and Communities that have helped further the green power market through their green power purchase or use of on-site renewable energy applications, overall green power strategy, and impact on the green power market. EPA's Supplier Awards highlight the accomplishments of green power suppliers (utilities, retail suppliers, REC marketers, and renewable energy project developers) that are innovators and leaders in the voluntary renewable energy market. [Read more](#). *Source: Green Power Partnership, 4/10/13*

Polling the American Public on Climate Change

A new fact sheet from the [Environmental and Energy Study Institute](#) provides information on [climate change polling in the United States](#) over the last year from a variety of sources.

Overall the studies show:

- The American public's concern about climate change, while still below 2007 levels, is on the rise nationwide.
- This trend holds across party lines, with greater numbers of Democrats, Independents, and Republicans viewing this as a serious issue that will affect them in their lifetimes.
- Additionally, more are convinced that global warming is caused by human activities rather than natural causes.
- Higher percentages of minorities say climate change is happening and support the president taking steps to address the issue.
- While a majority of Americans support the increased deployment of clean and renewable energy and regulation of power plant emissions, support remains weak for a carbon tax or cap-and-trade measures.

Source: Environmental and Energy Study Institute, 4/10/13

Lancaster, CA Becomes First US City to Require Solar

The Lancaster, California City Council unanimously approved changes to the city's zoning code that require housing developers to install solar with every new home they build.

This is the latest piece in what Republican Mayor R. Rex Parris described at the City Council meeting as a plan to make Lancaster "the solar capital of the universe."

Lancaster's now official Residential Zones Update specifies, along with a range of green building provisions, that new single family homes meet minimum solar system requirements in the same way that they must meet minimum parking space requirements.

"The purpose of the solar energy system standards," it reads, "is to encourage investment in solar energy on all parcels in the city, while providing guidelines for the installation of those systems that are consistent with the architectural and building standards of the City." It is further intended "to provide standards and procedures for builders of new homes to install solar energy systems in an effort to achieve greater usage of alternative energy." [Read more](#). *Source: Greentech Media, 3/27/13*

Visit U.S. DOE EERE [Green Power Network](#) for more information.

Reports and studies

EERE posts webinars on energy education, workforce development

Discover multimedia resources on [Energy Education and Workforce Development](#), including webcasts, games and activities. *Source: DOE EERE Energy Education and Workforce Development, 4/17/13*

Webinar on San Francisco PACE program available online

[Sustainable Cities Exchange](#) hosts free regional online workshops where local governments, utilities, solution providers, consultants and attorneys share information and explore how to expand the local economy via renewable energy, clean tech, creative financing, green building, energy efficiency, clean transportation and related services.

If you missed the April webinar on [San Francisco's Commercial PACE program](#), you can now download it.

Presentations cover:

- Archive link to the above presentation
- A link to our next event
- PLUS other municipal energy policy and sustainability related recordings and tips

Source: Sustainable Cities Exchange, 4/10/13

AWEA U.S. Wind Industry Annual Market Report 2012 now available

The American wind Energy Association has released its [U.S Wind Industry Annual Market Report Year Ending 2012](#). This 100-page report provides a comprehensive look at the U.S. wind energy industry, including wind projects, wind turbine and component manufacturing, market rankings and key industry players, market trends and impact of the U.S. wind energy industry.

The report includes:

- MAPS: all U.S. wind projects; more than 550 wind energy-related manufacturing facilities
- MARKET RANKINGS: wind project owners and developers across cumulative and new wind projects; turbine manufacturers/OEMs; electric utilities with wind on their system
- LISTS: wind projects completed during 2012; wind capacity completed by state and quarter, all wind projects currently under construction; wind energy-related manufacturing facilities; turbine models
- PROGRESS: new transmission lines across the country; interconnection queues; proposed offshore wind projects

- TRENDS: project finance trends across tax equity and project debt; ownership and offtake trends, wind turbine size and specifications; wind project characteristics
- JOBS: U.S wind jobs by type and by state
- IMPACTS: emission reductions; water consumption avoided; wind energy activity by congressional district

Source: American Wind Energy Association, 4/11/13

Find more [publications and webinars](#).

Funding

President's 2014 Budget Proposes Critical Investments in Clean Energy

President Barack Obama on April 10 requested a \$28.4 billion Fiscal Year 2014 budget for the Energy Department, including \$2.78 billion for the Energy Department's Office of Energy Efficiency and Renewable Energy (EERE). The request is part of the Administration-wide effort to strengthen the U.S. economy with energy that is cleaner, cheaper, and creates sustainable jobs. [Read more](#). *Source: DOE EERE Network News, 4/17/13*

USDA Funding Opportunity for Renewable Energy System and Energy Efficiency Improvement Projects

Applications due: Varies by application type (April 30, 2013 and July 15, 2013)

Eligible entities: Agricultural producers and rural small business

USDA is seeking applications to provide assistance to agricultural producers and rural small businesses for energy efficiency and renewable energy projects. Funding is available from USDA's Rural Energy for America Program (REAP). The United States Department of Agriculture (USDA) remains focused on carrying out its mission to strengthen the rural economy, despite significant budget uncertainty.

REAP, authorized by the Food, Conservation, and Energy Act of 2008 Farm Bill, is designed to help agricultural producers and rural small businesses reduce energy costs and consumption and help meet the nation's critical energy needs.

USDA is accepting the following applications:

- Renewable energy system and energy efficiency improvement grant applications and combination grant and guaranteed loan applications until April 30, 2013;

- Renewable energy system and energy efficiency improvement guaranteed loan only applications until July 15, 2013;
- Renewable energy system feasibility study grant applications through April 30, 2013.

Information on how to apply for funding is available in the [March 29, 2013, Federal Register](#). Source: DOE Tribal Energy Program, 4/5/13

Tribal Energy Program Technical Assistance

Applications due: Rolling submission

The Tribal Energy Program provides federally recognized Indian tribes, bands, nations, tribal energy resource development organizations, and other organized groups and communities—including Alaska Native villages or regional and village corporations—with technical assistance designed to advance renewable energy and energy efficiency projects.

Technical assistance is typically limited to 40 hours and may include, but is not limited to, the following priority areas:

- Strategic energy planning
- Grantee support
- Transmission/interconnection
- Project development
- Finance
- Lease agreements

U.S. Department of Energy (DOE) laboratories—[National Renewable Energy Laboratory](#) or [Sandia National Laboratories](#)—provide the technical assistance.

How to Apply

The application process is quick and easy: simply complete the [technical assistance request form](#).

The program will then determine whether your request fits within the program's scope and can be met with available resources. If approved, your request will be forwarded to the appropriate DOE national laboratory representative, who will contact you before beginning work. Source: DOE Tribal Energy Program, 4/5/13

Science and Sustainable and Healthy Tribes – New Funding Opportunity from EPA STAR

Applications due: June 25, 2013

A new Science to Achieve Results (STAR) Request for Applications (RFA) called [Science for Sustainable and Healthy Tribes](#) focuses on climate change and indoor air pollution and impacts on tribal communities.

This RFA solicits applications on research to develop sustainable solutions to environmental problems that affect Tribes. The RFA submission deadline is June 25, 2013.

Component research areas include:

- Science to understand the health impacts of climate change on tribal populations
- Science to understand the health impacts of indoor air pollution exposures that derive from or are directly affecting traditional tribal life-ways and cultural practices
- Development of sustainable, culturally appropriate, and acceptable pollution prevention and adaptation/mitigation strategies
- Community involvement in the design, acceptance, and implementation of the mitigation and adaptation approaches
- Focus on impacts to vulnerable sub-populations of Tribal communities.

Please apply and also share with your networks. For questions please contact [Cynthia McOliver](#). *Source: DOE Tribal Energy Program, 4/5/13*

Find more [funding sources](#).